

PATENT**INSTITUT FRANÇAIS DU PÉTROLE****PROCESS FOR DIRECT CONVERSION OF A FEED COMPRISING OLEFINS
CONTAINING FOUR AND/OR FIVE CARBON ATOMS OR MORE, FOR THE
PRODUCTION OF PROPYLENE****Jean-Luc DUPLAN and Sylvie LACOMBE****A B S T R A C T**

The invention concerns a process for producing propylene, especially from a light
10 steam cracking and/or catalytic cracking cut, preferably comprising both butenes and
pentenes, said process comprising a step for moving bed catalytic cracking with a catalyst
regeneration loop. The catalyst comprises at least one zeolite with a zeolitic composition with
a Si/Al ratio which is preferably less than 130.

The invention can produce a high conversion with a good yield of propylene at a high
15 space velocity, meaning that the volume of catalyst can be reduced.